Technical Specifications

Size and weight

15-inch MacBook Pro

Height: **1.0** inch (2.59 cm)

Width: **14.1** inches (35.7 cm)

Depth: **9.6** inches (24.3 cm)

Weight: **5.4** pounds (2.45 kg) [1]

17-inch MacBook Pro

Height: **1.0** inch (2.59 cm)

Width: **15.4** inches (39.2 cm)

Depth: **10.4** inches (26.5 cm)

Weight: **6.8** pounds (3.08 kg) [1]

Connections and expansion

- One FireWire 400 port at up to 400 Mbps
- One FireWire 800 port at up to 800 Mbps
- **15-inch MacBook Pro:** Two 480-Mbps USB 2.0 ports
- **17-inch MacBook Pro:** Three 480-Mbps USB 2.0 ports
- ExpressCard/34 slot
- Kensington cable lock slot

Communications

Built-in AirPort Extreme Wi-Fi wireless networking [2] (based on IEEE 802.11n draft specification); IEEE 802.11a/b/g compatible

Built-in Bluetooth 2.1 + EDR (Enhanced Data Rate)

Built-in 10/100/1000BASE-T Gigabit Ethernet (RJ-45 connector)

Audio

- Built-in stereo speakers

Display

15-inch MacBook Pro

15.4-inch (diagonal) antiglare widescreen TFT LED backlit display with support for millions of colors; optional glossy widescreen display

Supported resolutions: 1440 by 900 (native), 1280 by 800, 1152 by 720, 1024 by 640, and 800 by 500 pixels at 16:10 aspect ratio; 1024 by 768, 800 by 600, and 640 by 480 pixels at 4:3 aspect ratio; 1024 by 768, 800 by 600, and 640 by 480 pixels at 4:3 aspect ratio stretched; 720 by 480 pixels at 3:2 aspect ratio; 720 by 480 pixels at 3:2 aspect ratio stretched

17-inch MacBook Pro

17-inch (diagonal) antiglare widescreen TFT display with support for millions of colors; optional glossy widescreen display

Supported resolutions: 1680 by 1050 (native), 1280 by 800, 1152 by 720, 1024 by 640, and 800 by 500 pixels at 16:10 aspect ratio; 1280 by 1024 pixels at 5:4 aspect ratio; 1280 by 1024 pixels at 5:4 aspect ratio stretched; 1024 by 768, 800 by 600, and 640 by 480 pixels at 4:3 aspect ratio; 1024 by 768, 800 by 600, and 640 by 480 pixels at 4:3 aspect ratio stretched; 720 by 480 pixels at 3:2 aspect ratio; 720 by 480 pixels at 3:2 aspect ratio stretched

Optional 17-inch (diagonal) antiglare TFT widescreen LED backlit display with support for millions of colors; optional glossy widescreen display

Supported resolutions: 1920 by 1200 (native), 1680 by 1050, 1280 by 800, 1152 by 720, 1024 by 640, and 800 by 500 pixels at 16:10 aspect

Processor and memory

15-inch MacBook Pro

2.4GHz Intel Core 2 Duo processor with 3MB on-chip shared L2 cache running 1:1 with processor speed; or 2.5GHz or 2.6GHz Intel Core 2 Duo processor with 6MB L2 cache

17-inch MacBook Pro

2.5GHz or 2.6GHz Intel Core 2 Duo processor with 6MB on-chip shared L2 cache running 1:1 with processor speed

- 2GB (two 1GB SO-DIMMs) of PC2-5300 (667MHz) DDR2 memory; two SO-DIMM slots support up to 4GB
- 800MHz frontside bus

	2.4GHz	2.5GHz	2.6GHz
15"	●	●	●
17"		●	●

Storage

15-inch MacBook Pro

- 200GB or 250GB 5400-rpm Serial ATA hard drive; optional 200GB 7200-rpm drive [3]
- 8x slot-loading SuperDrive (DVD±R DL/DVD ±RW/CD-RW)

  Maximum write: 8x DVD-R, DVD+R; 4x DVD-R DL (double layer), DVD+R DL (double layer), DVD-RW, DVD+RW; 24x CD-R; 10x CD-RW

  Maximum read: 8x DVD-R, DVD+R, DVD-ROM; 6x DVD-ROM (double layer DVD-9), DVD-R DL (double layer), DVD+R DL (double layer), DVD-RW, DVD+RW; 24x CD

17-inch MacBook Pro

- 250GB 5400-rpm Serial ATA hard drive; optional 200GB 7200-rpm drive [3]; optional 300GB 4200-rpm
- 8x slot-loading SuperDrive (DVD±R DL/DVD ±RW/CD-RW)

  Maximum write: 8x DVD-R, DVD+R, DVD+RW; 6x DVD-RW; 4x DVD-R DL (double layer), DVD+R DL (double layer); 24x CD-R; 16x CD-RW

- Built-in omnidirectional microphone (located under left speaker grille)
- Combined optical digital audio input/audio line in (minijack)
- Combined optical digital audio output/audio line out (minijack)

Input

- Built-in full-size keyboard with 78 (U.S.) or 79 (ISO) keys, including 12 function keys and 4 arrow keys (inverted "T" arrangement)
- Backlit keyboard with ambient light sensor for automatic adjustment of keyboard illumination and screen brightness
- Solid-state trackpad with Multi-Touch gesture support for precise cursor control; supports two-finger scrolling, pinch, rotate, swipe, tap, double-tap, and drag capabilities

Environmental status

- Majority of circuit board laminates are free of brominated flame retardants
- Majority of internal cables are PVC-free
- Meets ENERGY STAR requirements
- MacBook Pro received a Silver rating from EPEAT

ratio; 1280 by 1024 pixels at 5:4 aspect ratio; 1280 by 1024 pixels at 5:4 aspect ratio stretched; 1600 by 1200, 1024 by 768, 800 by 600, and 640 by 480 pixels at 4:3 aspect ratio; 1600 by 1200, 1024 by 768, 800 by 600, and 640 by 480 pixels at 4:3 aspect ratio stretched; 720 by 480 pixels at 3:2 aspect ratio; 720 by 480 pixels at 3:2 aspect ratio stretched

Graphics and video support

15-inch MacBook Pro

NVIDIA GeForce 8600M GT graphics processor with dual-link DVI support; 256MB of GDDR3 memory on 2.4GHz configuration; 512MB of GDDR3 memory on 2.5GHz and 2.6GHz configurations

17-inch MacBook Pro

NVIDIA GeForce 8600M GT graphics processor with dual-link DVI support and 512MB of GDDR3 memory

- Dual display and video mirroring: Simultaneously supports full native resolution on the built-in display and up to 2560 by 1600 pixels on an external display, both at millions of colors
- DVI output port
- VGA output using included DVI to VGA adapter
- Built-in iSight camera

Maximum read: 8x DVD-R, DVD+R, DVD+RW, DVD-ROM; 6x DVD-ROM (double layer DVD-9), DVD-R DL (double layer), DVD+R DL (double layer), DVD-RW; 24x CD

Battery and power[4]

15-inch MacBook Pro

60-watt-hour lithium-polymer battery

17-inch MacBook Pro

68-watt-hour lithium-polymer battery

- 85W MagSafe Power Adapter with cable management system
- MagSafe power adapter port

* Up to 5 hours when configured with optional 1920 x 1200 LED backlit display

Electrical and operating requirements

- Line voltage: 100V to 240V AC
- Frequency: 50Hz to 60Hz
- DC input: 18.5 Vdc, 4.6A maximum
- Operating temperature: 50° to 95° F (10° to 35° C)
- Storage temperature: -13° to 113° F (-24° to 45° C)
- Relative humidity: 0% to 90% noncondensing
- Maximum operating altitude: 10,000 feet
- Maximum storage altitude: 15,000 feet
- Maximum shipping altitude: 35,000 feet

Installed software

- Mac OS X v10.5 Leopard (includes Time Machine, Quick Look, Spaces, Spotlight, Dashboard, Mail, iChat, Safari, Address Book, QuickTime, iCal, DVD Player, Photo Booth, Xcode Developer Tools)
- iLife '08 (includes iTunes, iPhoto, iMovie, iDVD, iWeb, GarageBand)

What's in the box

- MacBook Pro
- Display cleaning cloth
- 85W MagSafe Power Adapter, AC wall plug, and power cord
- Lithium-polymer battery
- DVI to VGA adapter
- Install/restore DVDs
- Printed and electronic documentation

Configurations

	15.4-inch: 2.4GHz (MB133LL/A)	**15.4-inch: 2.5GHz** (MB134LL/A)	**17-inch: 2.5GHz** (MB166LL/A)
Display	15.4-inch (diagonal), 1440 by 900 resolution, TFT widescreen		17-inch (diagonal), 1680 by 1050 resolution, TFT widescreen
Processor	2.4GHz Intel Core 2 Duo	2.5GHz Intel Core 2 Duo	
Memory	2GB (two SO-DIMMs) 667MHz DDR2 memory (PC2-5300)		
PCI Express graphics	NVIDIA GeForce 8600M GT with 256MB of GDDR3 memory and dual-link DVI	NVIDIA GeForce 8600M GT with 512MB of GDDR3 SDRAM and dual-link DVI	
Hard disk drive[3]	200GB Serial ATA; 5400 rpm	250GB Serial ATA; 5400 rpm	
Slot-loading optical drive	8x SuperDrive (DVD±R DL/DVD±RW/CD-RW)		
Expansion	One FireWire 400, one FireWire 800, two USB 2.0 ports, and ExpressCard/34 slot		One FireWire 400, one FireWire 800, three USB 2.0 ports, and ExpressCard/34 slot
Video	Built-in iSight camera, DVI, VGA (DVI to VGA adapter included)		
Audio	Combined optical digital input/audio line in, combined optical digital output/audio line out, stereo speakers, microphone		
Ethernet	Built-in 10/100/1000BASE-T (Gigabit)		
Wireless[2]	Built-in AirPort Extreme (802.11n); built-in Bluetooth 2.1 + EDR		
Modem	Apple USB Modem (sold separately)		
Input	Full-size, illuminated keyboard with ambient light sensor; Multi-Touch trackpad		
Weight[1]	5.4 pounds		6.8 pounds
Footprint	14.1 by 9.6 inches		15.4 by 10.4 inches
Thickness	1.0 inch		
Video accessories	DVI to VGA adapter (other adapters sold separately)		
Hardware accessories	85W MagSafe Power Adapter, AC wall plug, power cord, lithium-polymer battery		
Limited warranty and service	Your MacBook Pro comes with 90 days of telephone support and a one-year limited warranty. Purchase the AppleCare Protection Plan to extend your service and support to three years from your computer's purchase date. Only the AppleCare Protection Plan provides you with direct telephone support from Apple technical experts and the assurance that repairs will be handled by Apple-authorized technicians using genuine Apple parts. For more information, visit Apple support or call 800-823-2775.		
Apple and the global environment	Learn more about Apple's dedication to reducing the environmental impact of our products and processes. The Apple Product Environmental Specification details the environmental attributes of our products.		
Recycling	Apple takes a holistic view of materials management and waste minimization. Learn more about how to recycle your Mac.		

Options

Configure to order

- 15-inch: 250GB (5400 rpm) hard drive or 200GB (7200 rpm) hard drive
- 17-inch: 300GB (4200 rpm) hard drive or 200GB (7200 rpm) hard drive
- Up to 4GB of 667MHz DDR2 SDRAM
- Apple Remote (MA128G/B)
- Apple USB Modem (MA034Z/A)
- Aperture 2 (MA715Z/A)
- Final Cut Express (MA261Z/A)
- Logic Express (MA806LL/A)
- iWork '08 (MA790Z/A)

Accessories

- AirPort Extreme Base Station (MA053LL/A)
- AirPort Express Base Station (M9470LL/A)
- MagSafe Airline Adapter (MB441Z/A)
- Apple Mini-DVI to Video Adapter (M9319G/A)
- AppleCare Protection Plan (MA519LL/A)
- .Mac Subscription (MA927Z/A)
- Apple Wireless Keyboard (MB167LL/A)
- Apple wireless Mighty Mouse (MB111LL/A)
- Apple Keyboard (MB110LL/A)
- Apple wired Mighty Mouse (MB112LL/A)

1. Actual weight varies by configuration and manufacturing process.
2. Wireless Internet access requires a base station or other wireless access point and Internet access (fees may apply). Some ISPs are not currently compatible with AirPort.
3. 1GB=1 billion bytes. Actual formatted capacity less.
4. Battery life depends on configuration and use. See www.apple.com/batteries for more information. The wireless productivity test measures battery life by wirelessly browsing various websites and editing text in a word processing document with display brightness set to 50%.

Time Capsule.
Wireless backup is here.

Final Cut Studio 2

The Mac experience. Online.
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